Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/18/2022 08:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124568	-1	1.74	124546	1.71
Blue	F	SSC	125000	124966	-1	2.98	125437	2.88
Blue	E	FITC	14284	13881	-3	2.42	388	13.13
Blue	D	PE	23919	23672	-2	1.80	563	10.19
Blue	B	PerCP-Cy5-5	31332	30767	-2	3.09	881	14.71
Blue	A	PE-Cy7	22272	21934	-2	4.89	455	30.30
Red	C	APC	47768	47347	-1	2.65	1635	11.25
Red	A	APC-Cy7	25313	24603	-3	3.15	695	11.94
Violet	B	V450	7085	6752	-5	3.59	472	11.24
Violet	A	V500	26969	26245	-3	3.14	900	8.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23708	3.40	577	-12	N/A	N/A	Pass
Blue	F	SSC	56168	2.27	518	-3	N/A	N/A	Pass
Blue	E	FITC	58	54.24	488	-13	0.0482	106	Pass
Blue	D	PE	110	38.51	485	-12	0.4764	361	Pass
Blue	B	PerCP-Cy5-5	139	41.27	573	-15	0.0206	81	Pass
Blue	A	PE-Cy7	77	76.88	619	-16	0.0225	0	Pass
Red	C	APC	342	25.33	571	-9	0.0295	184	Pass
Red	A	APC-Cy7	130	34.64	544	-11	0.0071	1697	Pass
Violet	B	V450	79	48.71	444	-19	0.0682	3069	Pass
Violet	A	V500	106	31.54	456	-18	0.0268	1103	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.78	-31.49	1.14
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	16.03	13.90 - 20.86	N/A	N/A	29.86	30.08	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9664

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments